



Visual Boy Advance-M

The continuing development of the legendary VBA gameboy advance emulator.

Search...

Q

⚙

C/C++ macro expander?

Post Reply ↩



Search this topic...



5 posts • Page 1 of 1

C/C++ macro expander?

📄 by **spacy51** » Mon Aug 31, 2009 8:20 am



spacy51
Senior Member

Posts: 371
Joined: Tue Mar 18, 2008 4:59 pm

Is there a tool that takes a c/cpp file with macros as input and outputs the file with all macros expanded?

Â

i could need something like this so I can easier read the arm core.

Last edited by spacy51 on Wed Sep 02, 2009 5:05 am, edited 1 time in total.



C/C++ macro expander?

📄 by **Exophase** » Tue Sep 01, 2009 12:41 pm



Exophase
Junior Member

Posts: 16
Joined: Sun Jun 07, 2009 9:56 pm

Yes, you can usually use the compiler to do it. If you have gcc try this:

Â

gcc file.c -E -o file_expanded.c

Â

It won't matter if the file is actually C/C++, so long as its preprocessor directives are valid.



C/C++ macro expander?

📄 by **spacy51** » Wed Sep 02, 2009 5:20 am



spacy51
Senior Member

Posts: 371
Joined: Tue Mar 18, 2008 4:59 pm

Ah, thanks.

Â

I just found out even Microsoft's compiler can do that:

Â

cl /P /C

Â

It will generate a text file

Â

Â

Here are the arm & thumb cores, preprocessed:

http://spacy51.sp.funpic.de/VBA-M/preprocessed/arm_thumb_preprocessed.7z

Last edited by spacy51 on Wed Sep 02, 2009 5:37 am, edited 1 time in total.



C/C++ macro expander?

📄 by **Exophase** » Wed Sep 02, 2009 4:16 pm



Exophase
Junior Member

Posts: 16
Joined: Sun Jun 07, 2009 9:56 pm

If you want anyone to read expanded code I suggest you run it through some kind of formatting tool like indent. Macros suck because they're single line, so expansions contain a bunch of really long lines [img]
<fileStore.core_Emoticons>/emoticons/unsure.png[/img]/emoticons/unsure@2x.png 2x" width="20" height="20" />

Â

It'd be great if mainstream C compilers had extensions to support multi-line macros.. no more line joins would be necessary, macro line numbers could be forwarded to compilation error code - good luck finding an error in a several thousand line macro - and they could be expanded in a way that doesn't look as awful.



C/C++ macro expander?

📄 by **Nach** » Sun Sep 06, 2009 8:30 pm



Nach
Junior Member

Posts: 31
Joined: Tue Mar 18, 2008 10:02 am

If you really looking to format code, grab a copy of Source Styler, it can be configured to whatever indentation style you prefer.



Post Reply ↩



5 posts • Page 1 of 1

< Return to "General Chat"

Jump to ▾